Name of Work:Improvements of Cement Concrete roads & RCC drains at 2nd cross Opp.St.Mary's School, 5th cross, Kalyananagara, 15th A Cross & 17th A & C Cross Adjusteed to Dasarahalli main road & 4th cross, 6th cross, 3rd main road & opp to CSI Holy Church road in Ward No.13, Shettyhalli Sub Division.

Est .Cost Rs.100.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface levcled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 142/ Item No. 19.1/ PWD SR 2016-17.								
	15th A Cross (15th Cross to 16th Cross)		2	95.00	1.10	0.90	188.10		
	2nd Cross (From 1st main to 2nd main)		2	86.00	1.10	0.90	170.28		
	2nd Cross (From 3rd main To Pipeline Road)		2	150.00	1.10	0.90	297.00		
	2nd Cross (From 2nd main to 3rd main to pipeline Road)		1	125.00	1.10	0.90	123.75		
	3rd Cross (From 1st main to 4th main)		1	296.00	1.10	0.90	293.04		
	4th cross		2	236.00	1.10	0.90	467.28		
	5th cross		1	230.00	1.10	0.90	227.70		
							1767.15	86.92	**153600.68**
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
		86.92							
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2016-17								
	15th A Cross (15th Cross to 16th Cross)		2	95.00	0.90	0.15	25.65		
	2nd Cross (From 1st main to 2nd main)		2	86.00	0.90	0.15	23.22		
	2nd Cross (From 1st main to 2nd main)		2	150.00	0.90	0.15	40.50		
	2nd Cross (From 2nd main to 3rd main to pipeline Road)		1	125.00	0.90	0.15	16.88		
	3rd Cross (From 1st main to 4th main)		1	296.00	0.90	0.15	39.96		
	4th cross		2	236.00	0.90	0.12	50.98		
	5th cross		1	230.00	0.90	0.12	24.84		
							~~222.02~~ 222.03	5348.76	~~1187537.04~~ 1187585.00
	Basic Rate	5046.00							
	Area Weightage @ 6%	302.76							
	Total	**5348.76**							

	concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.12/I.4.11/ PWD SR 2016-17								
	Bed		2x2	95.00	0.15	0.75	42.75		
	Wal		2	95.00	0.90	0.15	25.65		
			2x2	86.00	0.15	0.75	38.70		
			2	86.00	0.80	0.15	20.64		
			2x2	150.00	0.15	0.75	67.50		
			2	150.00	0.80	0.15	36.00		
			1x2	125.00	0.15	0.75	28.13		
			1	125.00	0.80	0.15	15.00		
			1x2	296.00	0.15	0.75	66.60		
			1	296.00	0.80	0.15	35.52		
	4th cross		2x2	236.00	0.15	0.75	106.20		
			2	236.00	0.80	0.15	28.32		
	5th cross		1x2	230.00	0.15	0.70	48.30		
			1	230.00	0.80	0.15	27.60		
	For Covering		2	95.00	0.90	0.15	25.65		
			2	86.00	0.90	0.15	23.22		
							635.78		
	Ded for Openings	7.00	20	1.00	0.90	0.15	**18.90**		
					Net Qty		**616.88**	5874.52	**3623845.00**
	Basic Rate	5542.00							3623874.00
	Area Weightage @ 6%	332.52							
	Total	**5874.52**							
4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17								
		~~Qtls~~ ton		616.88	x	60kgs	37012.80		
							~~370.13~~	~~5941.30~~	~~2199041.00~~
	Basic Rate	~~5605.00~~		5605.00		ton	37.01	5941.30	219887.00
	Area Weightage @ 6%	~~336.30~~		336.00					
	Total	~~**5941.30**~~		5941.30/ton					

	KSRB 4-6.9. Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2015-16								
	15th A Cross (15th Cross to 16th Cross)		2x4	95.00		0.80	608.00		
	2nd Cross (From 1st main to 2nd main)		2x4	86.00		0.80	550.40		
	2nd Cross (From 3rd main to pipeline Road)		2x4	150.00		0.80	960.00		
	2nd Cross (From 2nd main to 3rd main to pipeline Road)		1x4	125.00		0.80	400.00		
	3rd Cross (From 1st main to 4th main)		1x4	296.00		0.80	947.20		
	4th cross		2x4	236.00		0.80	1510.40		
	5th cross		1x4	230.00		0.80	736.00		
							5712.00	310.58	**1774033.00**
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							
		310.58							
6	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
		Sqm	2	8.00	0.60	0.90	8.64		
			2	8.00	0.60	0.90	8.64		
	Missed slab		1	30.00	0.60	0.90	16.20		
	Damaged Slab		1	28.00	0.60	0.90	15.12		
	Approved Rate of Precast slab	1873					**48.60**	1873	**91028.00**
9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. ~~2.00~~ 2.50 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2015-16								
	Qty Vide Item No=1	Cum					**1767.15**		
	Qty Limited to						**1767.15**	~~81.73~~	~~**144437.00**~~
	(For 3 km = ~~3~~ x 1.28 x ~~2.0~~ 2.5)	~~7.68~~ 9.60						~~77.60~~	137131.00
	Loading and Unloading Charges	68.00							
		~~75.68~~ 77.60							

									9166127.00
10	KRIDL Charges 8+1%								~~825616.95~~ 824951.00
11	Miscellaneous and unforseen Charges								861.32 89.22
								Total	10000000.00
(Rupees One Crore Only)									

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary

2 The Estimate is prepared as per the PWD SR 2016-17

3 The Provision made in estimate are adequate and essential

4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. EE/DD/A1/S8/16-17 ದಿನಾಂಕ : 09.01.17

ರೂ. ಒಂದು ಕೋಟಿ ಮಾತ್ರ

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ನಂ.CE/D2/TS/ /16-17 ದಿನಾಂಕ :

ರೂ. ಒಂದು ಸಾವಿರ ಲಕ್ಷ ರೂಪಾಯಿಗಳು ಮಾತ್ರ/-
Rs Hundred lakhs only/-

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

15th A Cross & 17th A&B Cross adjusted to Dasarahalli Main road & 4th Cross, 6th Cross, 3rd Main road & opp to CSI Holy church road. in Ward No -13 Shettyhalli Sub-division.

AE W-13

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು